



ecology and environment, inc.

International Specialists in the Environment

333 SW Fifth Avenue
Portland, Oregon 97204
Tel: 503/248-5600, Fax: 503/248-5577

MCBSF
6.3.5
6/5/98

TECHNICAL MEMORANDUM

TO: Bill Dana - DEQ Project Officer

FROM: Mark Ochsner - E & E *MO*

THRU: John Montgomery - E & E Project Manager

SUBJ.: Well Statistics and Current Pump Configurations for NAPL Extraction in the TFA and FWDA-- McCormick and Baxter Creosoting Co. Site

DATE: June 5, 1998

CC: David Anderson - DEQ; Steve Campbell - DEQ

Ecology and Environment (E & E) has prepared this technical memorandum to summarize the well statistics and pump configurations of the NAPL extraction wells currently utilized in the former Tank Farm Area (TFA) and Former Waste Disposal Area (FWDA). Table 1 presents the extraction well statistics and current pump configurations for those extraction wells in the TFA and FWDA. A current understanding of the current and proposed NAPL extraction activities in the TFA and FWDA is provided in the E & E Technical Memorandum *"Proposed Treatment System Extraction Pump Enhancements"* dated May 26, 1998.



Table 1

**WELL STATISTICS FOR EXTRACTION WELLS IN THE TFA AND FWDA
McCORMICK & BAXTER CREOSOTING COMPANY
PORTLAND, OREGON**

June 1998

Well ID	Measuring Point Elevation (ft)	Well Depth (toc, ft)	Well Depth Elevation (ft)	Casing Diameter (in)	Screen Interval (toc, ft)	Screen Interval Elevation (ft)	Screen Length (ft)	Screen Material	Screen Slot Size (in)	Pump Type	Pump Intake (toc)	DNAPL Water Extraction	Depth to Water (toc, ft)	Depth to DNAPL (toc, ft)
TFA Wells														
EW-1s	30.956	43.01	-12.054	8"	40 -- 15	-10.9 -- 14.1	25	SS	0.02	pneumatic	42.00	both	20.52	42.88
EW-4s	30.523	39.59	-9.067	4"	35.7 -- 25.7	-7.0 -- 3.0	10	SS	0.02	centrifugal	38.00	both	20.02	NA
EW-7s	31.114	39.71	-8.596	4"	35.8 -- 25.8	-6.6 -- 3.4	10	SS	0.02	centrifugal	37.50	both	20.83	NA
FWDA Wells														
MW-Ds	33.808	33.96	-0.152	2"	33.4 -- 28.4	-0.2 -- 4.8	5	PVC	0.02	pneumatic	33.94	DNAPL	21.38	NA
MW-Gs	31.533	40.70	-9.167	2"	37.8 -- 17.8	-7.2 -- 12.8	20	SS	0.02	pneumatic	38.95	DNAPL	18.51	NA
MW-20i	33.65	70.90	-37.25	2"	69.7 -- 49.7	-36.3 -- -16.3	20	SS	0.02	pneumatic	70.75	DNAPL	19.08	62.50
EW-9s	35.24	46.48	-11.24	4"	42.6 -- 32.6	-9.2 -- 0.8	10	SS	0.02	pneumatic	42.51	* water	23.10	44.90

Notes:

* Well used for up-welling testing purposes.

** Measurements recorded on 5/29/98.

SS = Stainless Steel Casing

NA = Measurements taken, but DNAPL thickness less than 0.01 feet.

toc = top of casing or measuring point